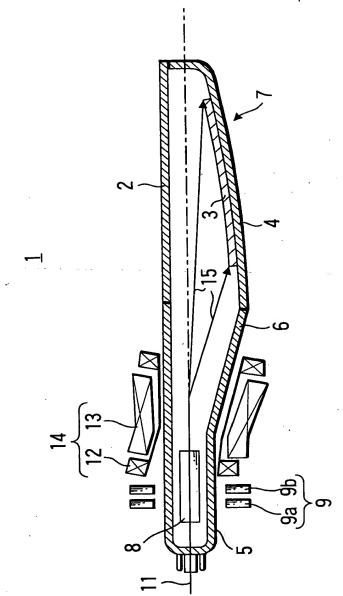
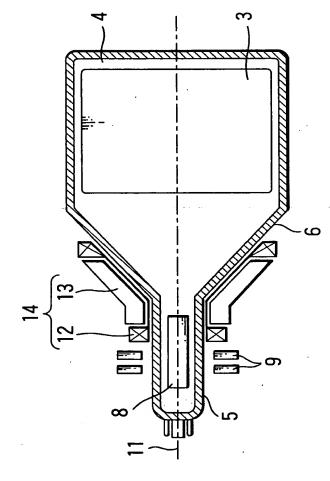
F/G. 1 (PRIOR ART)

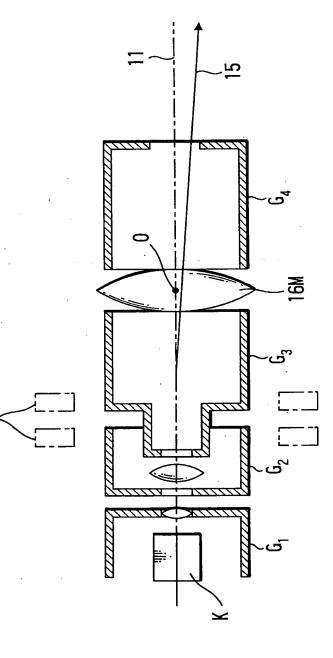


F16. 2 (PRIOR ART)



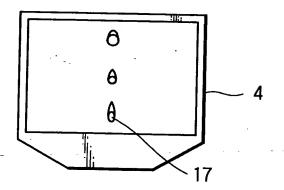
) = ·

F/G. ${\cal 3}$ (PRIOR ART)

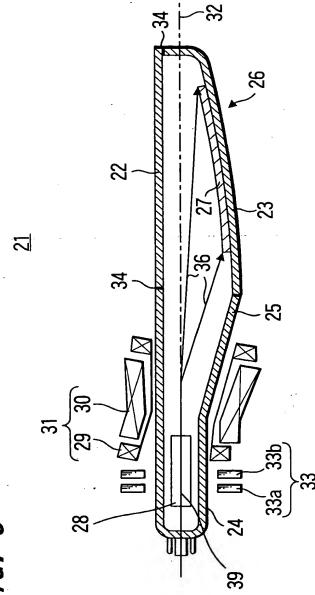


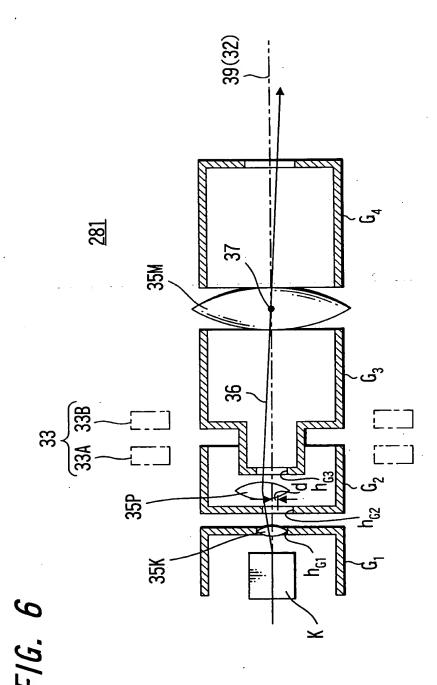
~

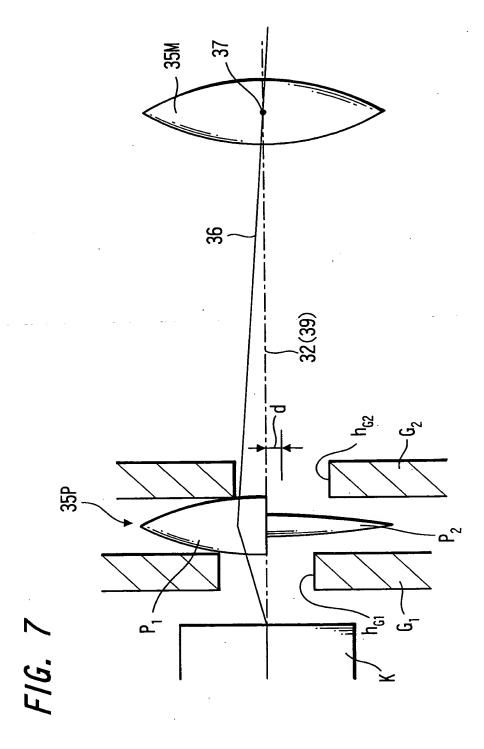
F/G. 4 (PRIOR ART)



F/G. 5

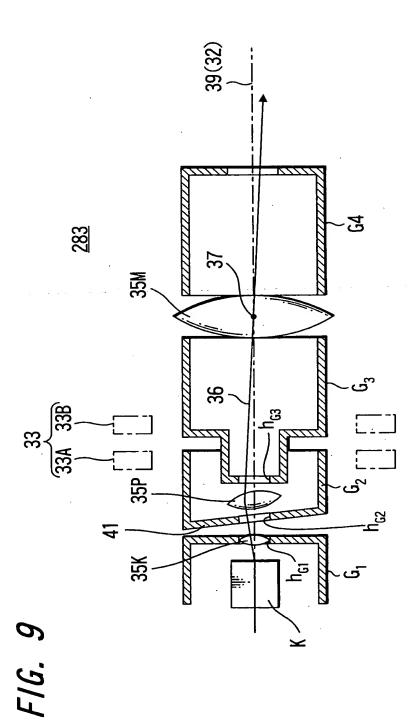


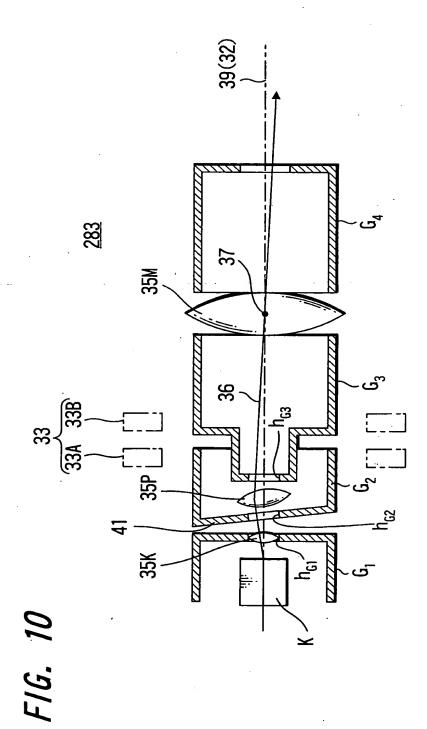


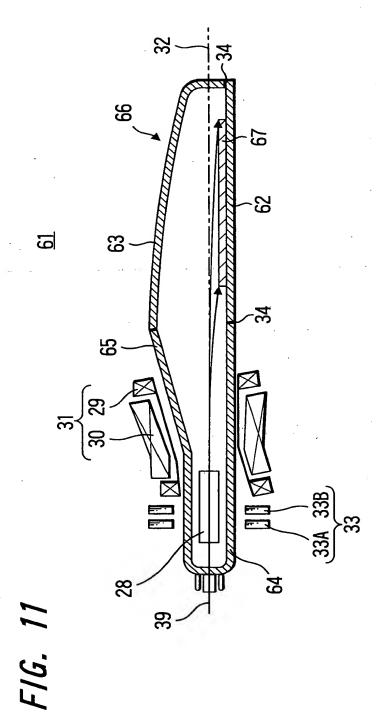


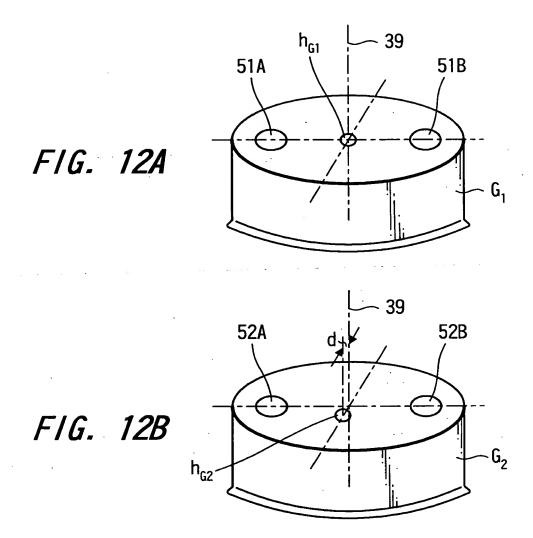
39(32) 282 37 35M 36 35K

F/G. 8

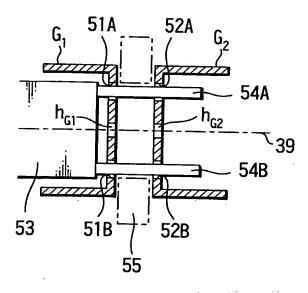




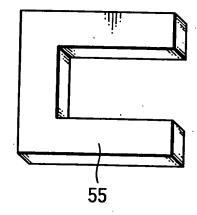




F/G. 13



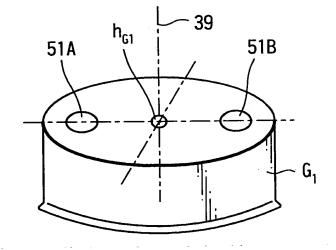
F/G. 14



54B

F16. 15

FIG. 16A



52A h_{G2} 52B 52B

FIG. 16B

FIG. 17

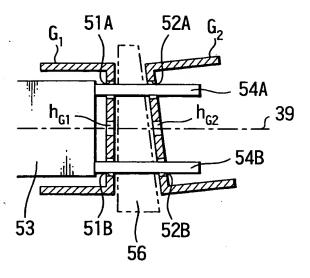
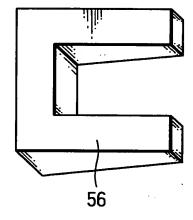


FIG. 18



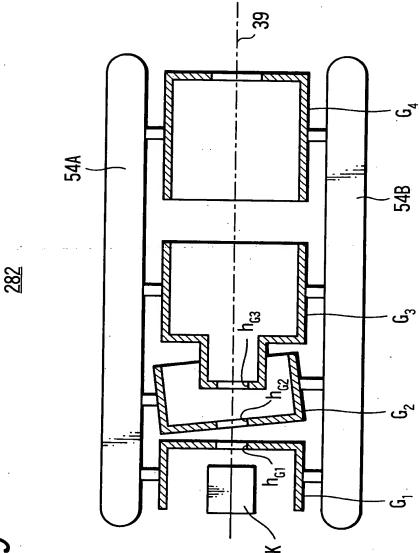
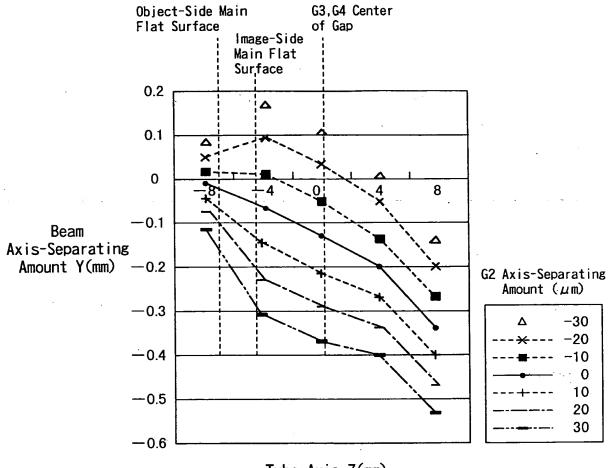


FIG. 20



Tube Axis Z(mm)

F/G. 21

G2 Axis-Separating Amount VS SP Moving Amount (Including Effect of Magnetic Field of Centering Magnet)

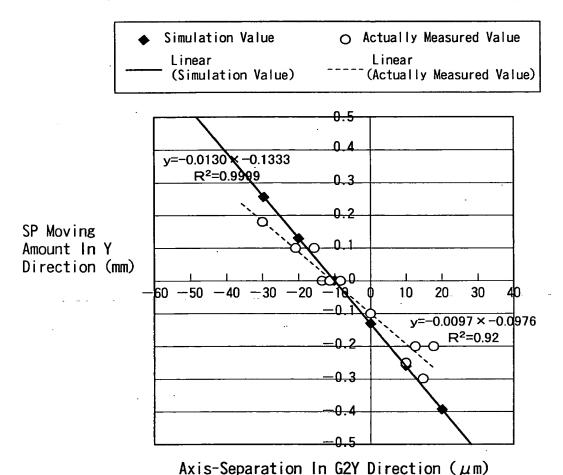
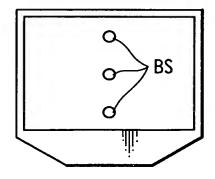
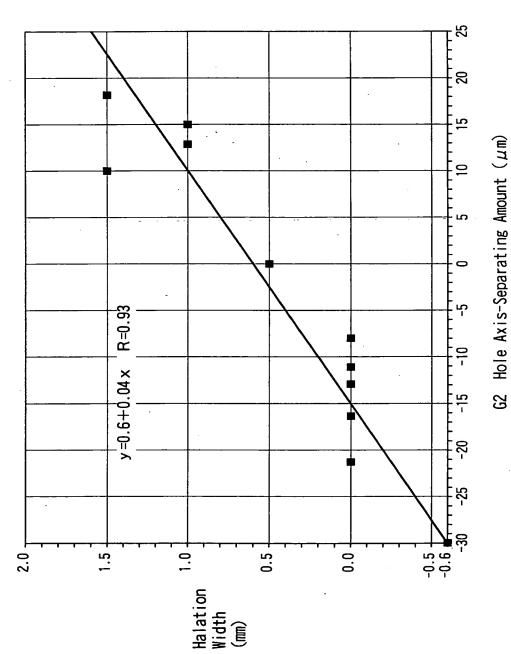


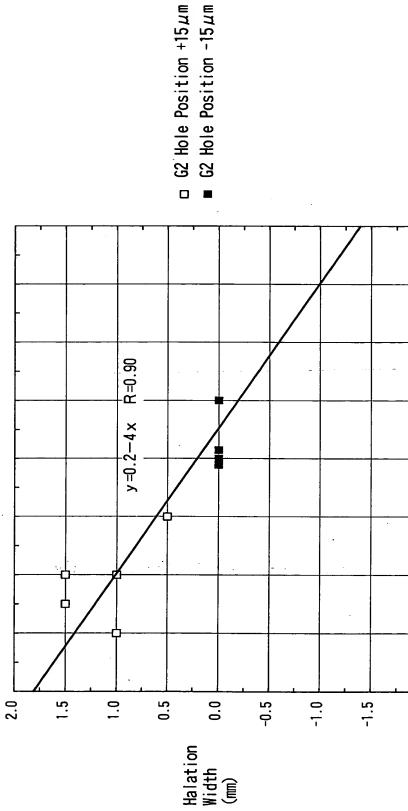
FIG. 22



F16. 23



F16. 24



Spot Moving Amount (mm)

0.2

0.1

0.0

-0.1

-0.5

F16. 25

